

MECH-LINE SERVICES

www.mech-line.com

ABB DRIVES

740 E. Flynn Lane

Phoenix, AZ 85014-1031

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E-mail: teresa@mech-line.com

www.abb-drives.com

To Co: Casa Grande Elementary
School District
ATTN: Mark Whaley
Project:
Email:
mark.whaley@cgelem.k12.az.us

Fax:
Phone:
Location:
Date: April 4, 2013

ABB ACH 550 Variable Frequency Drive Quotation

Qty.	HP	* FLA	ABB - ACH 550 VFD only, to control equipment provided by others	Unit \$ Each
2	20	31	ACH550-UH-031A-4, 460 volt drive only, NEMA1	\$1587.00ea
			Applicable Sales Tax :	\$295.18
			Total:	\$3,469.00

- FLA = Full load amps & HP meet or exceed NEC table 430-150 ratings: 4 pole 1800 RPM motors
- SRP or APS could provide rebates up to \$55.00 per HP for purchase of ABB VFD's contact Mech-Line for details
- SRP Rebate information -Contact David Poetter-Phone 480-768-6987- dpoetter@nexant.com
- APS Rebate Information-Contact Ed Walsh -Phone 602-3850900-APS.com

Please sign and return with purchase order or service contract copy

Approval Signature Required: _____
Job Name: _____

Features noted on page 2 of this document

START-UP: Factory certified start-up in Phoenix / Tucson Metropolitan areas included. Weekdays during normal business hours. First Certified Startup trip is included at no additional charge.

This quotation is predicted on providing a minimum of 1 week notice
(2 week notice for out of town) to schedule Start-up

WARRANTY: 3 Years Warranty on Parts and Labor From Ship Date From New Berlin Wisconsin With CSU.

ABB VFD's supplied by Mech-Line Services shall include: Start-Up, Warranty, Training

Thank You for choosing MECH-LINE SERVICES



Contractors License Numbers:

C11 - ROC 209134

L11 - ROC 209133

L39 - ROC 193418

Proposal

TO: CASA GRANDE ELEMENTARY USD
501 S. Florence St.
Casa Grande, AZ 85222

DATE: March 28, 2013

ATTN: Frank Corder – Facilities Management

RE: Install and Program control of new Pump VFD's at the Desert Willow School

Climatec BTG is pleased to propose the following scope of work complete the listed Desert Willow Pumps VFD install for the price of: **Fourteen Thousand Seven Hundred Sixty Six and 00/100 Dollars (\$14,766.00).**

Pricing Breakdown: Labor \$4,280.00 Material: \$10,486.00

Labor includes 'Turnkey' Installation, Programming and Startup of the listed Pump VFD's.

Materials Include: Yaskawa P1000 VFD w/ Electronic Bypass and Bacnet interface module as well as all electrical materials needed to complete the installation.

Inclusions:

Condenser Pumps VFD Installation and control programming

- Two (2) Yaskawa VFD's with Bacnet Interface and Electronic Bypass.
- Provide "Turnkey" installation of the new VFD's and map the systems into the Alerton BACtalk EMCS Network.
- Program the Alerton EMCS for control of the Condensor Water Pumps and verify operation.

Other

- Installation materials to include enclosures, wire, and conduit. Plenum rated wire will be installed exposed with the exception of mechanical and electrical rooms, where conduit will be used.
- Design, submittals, control drawings, programming, installation and checkout labor.
- One (1) year material and labor warranty on the new items.

Exclusions:

- Repair/replacement of any other existing devices that may be defective.
- Overtime labor.
- Taxes or Bonds.

Frank Corder

From: Frank Corder
Sent: Friday, April 05, 2013 7:33 AM
To: Pat Cruse
Cc: Kevin Kelty; Dennis York
Subject: FW: Desert Willow Pump VFD's
Attachments: Desert Willow Pumps VFD Install (prop).pdf

Pat,

I have made time available to review some of our mechanical plants in the district. There are two VFDs that control the 20 HP circulation pumps at Desert Willow that have not been functioning for at least a year. These VFDs were part of the original installation in 2006.

Attached is a quote (\$14,766) from Climatec, through their Mohave contract to provide the scope identified in their proposal.

We are in the process of:

- Requiring Climatec to break out their quote on a Mohave form, identifying the cost of the pumps and installation and breaking out the cost to program the two units.
- Obtaining two additional quotes to provide and install the two VFDs, with programming by Climatec for the Alerton system

Once I receive all the paperwork, I will submit the SFB Grant application.

Is this the correct procedure?

From: Mark Wilson [<mailto:MarkW@Climatec.com>]
Sent: Friday, March 29, 2013 12:45 PM
To: Frank Corder
Subject: Desert Willow Pump VFD's

Frank,
See the attached proposal to install two new VFD's on the pumps at Desert Willow.
Contact me with any questions.
Sincerely,

Mark F Wilson

Service Support Tucson
Climatec BTG
4585 S. Coach Dr. #101
Tucson, Arizona 85714
Direct: 520.352.5248
Cell: 520.850.2105
Email: markw@climatec.com
24 Hour Service Line: 520-352-5238
Service Email: tucsonservice@climatec.com

